

Notice of Allowability

Application No.

10/821,031

Examiner

Zachary M. Pape

Applicant(s)

MARTIN ET AL.

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/24/2005.
2. ☒ The allowed claim(s) is/are 2-21.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 1/5/06.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.



ANATOLY VORTMAN
PRIMARY EXAMINER

DETAILED ACTION

Response to Amendment

The following detailed action is in response to the correspondence filed 10/24/2005.

Examiners Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Timothy Olson (#42,962) on 1/5/06. The application has been amended as follows:

On page 2, claim 3, line 2, "said first power switch and said at second power" has been changed to - - said first power switch and said second power - -

On page 2, claim 4, line 2, "only said second wall of said at first power switch" has been changed to - - only said second wall of said first power switch - -

On page 3, claim 7, lines 7-9, "and each of said cooling medium circulation circuits is connected to the same pump to effect the circulation of said cooling medium in each of said cooling medium circulation circuits" has been changed to - - and said cooling medium circulation circuit is connected to the same pump to effect the circulation of said cooling medium in said cooling medium circulation circuit - -

Allowable Subject Matter

2. Claims 2-21 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claim 17, see the examiners reasons for allowance in the detailed action dated 8/3/2005.

With respect to claims 2-16, 19, 20, the allowability resides in the overall structure of the device as recited in independent claim 18 and at least in part because claim 18 recites, "a second channel positioned proximate said second wall of said second power switch such that said second wall of said second power switch is cooled by said cooling medium in said second channel".

The aforementioned limitations in combination with all remaining limitations of claim 18 are believed to render said claim 18 and all claims dependent therefrom (2-16, 19, 20) patentable over the art of record.

With respect to claim 21, the allowability resides in the overall structure of the device as recited in independent claim 21 and at least in part because claim 21 recites, "a second channel positioned proximate said second wall of said second power switch such that said second wall of said second power switch is cooled by said cooling medium in said second channel".

The aforementioned limitations in combination with all remaining limitations of claim 21 are believed to render said claim 21 patentable over the art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably



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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

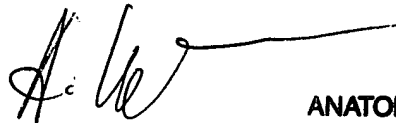
Response to Arguments

3. Applicants' remarks, see pages 8 and 9, filed 10/24/2005, with respect to claims 18 and 21 have been fully considered and are persuasive. Consequently the remarks to claims 2-16, 19, and 20 are also persuasive since they depend from claim 18.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zachary M. Pape whose telephone number is 571-272-2201. The examiner can normally be reached on Mon. - Thur. & every other Fri. (8:00am - 5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached at 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Zachary M. Tape

ZMP

A. Vortman

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